

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph starting on page 8, line 20 as set forth below. Additions to the specification are shown in underlined and deletions are shown in strikethrough text.

With microphone elements 22 and 24 comprising two omnidirectional elements, signal flow processor 20 further uses a 'balancing' scheme that is known to those skilled in the art. The balancing scheme is run in the idle state to effectively match the electroacoustic sensitivities of the two omnidirectional elements. As a result of this balancing scheme, the two omnidirectional elements produce like input signals for processing in signal flow processor 20. ~~In other words, the elements take on substantially equal complex sensitivities (in amplitude and phase) thus allowing signal flow processor 20 to apply which is essential prior to the application of transfer functions τ and $Gm1$.~~ This balancing scheme utilizes, ~~in the idle state,~~ the ever present, far field diffuse room noise as its acoustic input and employs a long averaging time. The balancing is constantly updated in the idle state, but should not change substantially over years of service.